

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
21 May 2004 (21.05.2004)

PCT

(10) International Publication Number
WO 2004/041829 A1

(51) International Patent Classification⁷: C07D 491/04,
S19/00, A61K 31/517, A61P 35/00

(72) Inventor; and

(75) Inventor/Applicant (for US only): PLE, Patrick
[FR/FR]; AstraZeneca Pharma, Z.I. La Pompelle, BP
1050, F-51689 Reims Cedex 2 (FR).

(21) International Application Number:

PCT/GB2003/004703

(22) International Filing Date: 29 October 2003 (29.10.2003)

(74) Agent: TAIT, Brian, Steele; ASTRAZENECA, Global
Intellectual Property, P O Box 272, Mereside, Maccles-
field, Cheshire SK10 4GR (GB).

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

02292736.2

4 November 2002 (04.11.2002)

EP

03290900.4

10 April 2003 (10.04.2003)

EP

(81) Designated States (national): AE, AG, AL, AM, AT, AU,
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,
CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE,
GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR,
KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK,
MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT,
RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR,
TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(71) Applicant (for AE, AG, AL, AM, AT, AU, AZ, BA, BB, BE,
BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CY, CZ, DE,
DK, DM, DZ, EC, EE, EG, ES, FI, FR, GB, GD, GE, GH,
GM, GR, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ,
LC, LK, LR, LS, LT, LU, LV, MA, MD, MK, MN, MW, MX,
MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD,
SE, SG, SK, SL, SY, SZ, TJ, TM, TN, TR, TT, TZ, UA, UG,
UZ, VC, VN, YU, ZA, ZM, ZW only): ASTRAZENECA
AB [SE/SE]; Sodertalje, S-151 85 (SE).

(84) Designated States (regional): ARIPO patent (GH, GM,
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,
SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM,
GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

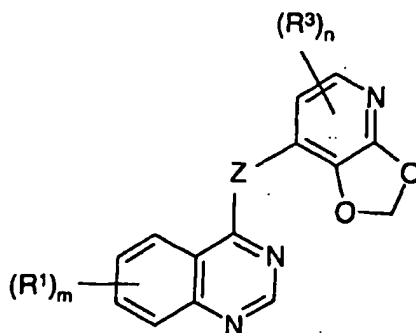
Published:

— with international search report

(71) Applicant (for MG only): ASTRAZENECA UK LIM-
ITED (GB/GB); 15 Stanhope Gate, London, Greater Lon-
don W1K 1LN (GB).

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: QUINAZOLINE DERIVATIVES AS SRC TYROSINE KINASE INHIBITORS



(57) Abstract: The invention concerns quinazoline derivatives of Formula (I): (A chemical formula should be inserted here - please see paper copy enclosed herewith) wherein Z is an O, S, SO, SO₂, N(R²) or C(R²)₂ group wherein each R² group is hydrogen or (1-8C) alkyl, m is 0, 1, 2 or 3, each R¹ group is selected from halogeno, (1-8C) alkyl, (1-6C) alkoxy and any of the other meanings defined in the description, n is 0, 1, 2 or 3, and each R³ group is selected from halogeno, (1-8C) alkyl, (1-6C) alkoxy and any of the other meanings defined in the description, or pharmaceutically-acceptable salts thereof, processes for their preparation, pharmaceutical compositions containing them and their use in the manufacture of a medicament for use as an anti-invasive agent in the containment and/or treatment of solid tumour disease.

WO 2004/041829 A1